Name of Project: Input data
Name of Structure: Input data
Structure Number: Input data
Project Number: Input data
PIN: Input data

Originator: Input name and initials
Checker: Input name and initials

Date:

TITLE BLOCK	Provided (Originator)				Comments
	Yes	No	NA		
Complete all information required in the standard title. Top line = project name Second line = structure name Third line = sheet name					
Complete the title block.					
Fill in initials, dates, and signatures.					

DESIGN		Provided (Originator)			Comments	
	Yes	No	NA			
Meet the requirements of AASHTO LRFD and the UDOT Structures						
Design and Detailing Manual(SDDM) and as shown on the Abutment						
Design Sheets, DD-1A and DD-1B, and the Bent Design Sheet, DD-4.						
Verify the material strengths used in design match the design data						
listed on the S&L sheets.						
Apply all the superstructure loads to the foundation.						
Apply the approach slab loads to the abutment foundation. Do not						
apply a live load surcharge behind the abutment.						
Check the longitudinal thermal movement and loading due to the						
movement.						
Check the lateral thermal movement and the loading due to the						
movement.						
Verify the pile loading and movement does not exceed the pile						
capacity.						
Verify the soil bearing pressure does not exceed the soil capacity.						
Meet the shear key design requirements specified in the SDDM.						
Verify that the foundation geometry is compatible with adjacent						
structures, walls and utilities.						
Check the EQ displacements and loads.						
Include the soil loads over the footing in design.						
Verify that the foundation design includes column plastic hinging loads						
or the appropriate elastic EQ loads.						
Check the interaction with walls or other structures.						
Do not batter the piles.						
Allow 6" of construction tolerance in pile or drilled shaft details. Pay						
reductions apply to piles greater than 6" from the design location and						
piles are rejected if greater than 12" from the design location.						

Show the North Arrow and verify the North Arrow direction. Label the horizontal control lines of the bridge and feature crossed. Label the horizontal control lines of the bridge and feature crossed. Label the horizontal control lines. Provide stationing and ticks along the control lines. Provide intersection stations at the control line intersection locations. Label the PC, PT, PI stations. Label the PGI. Provide intersection stations at the control line intersection locations. Label the centerline of locations. Show the abutment stem or bent columns or bent walls but do not label. Label the centerline of columns. Label the centerline of columns. Label the ending between the horizontal control line and the centerline of footing. Use the skew angle convention. Label and dimension the limits of granular backfill borrow. Use a minimum of 3-0" behind the abutments and bents. Use a minimum of 2-0" around the wingwalls and finwalls. Show all the dimensions in feet and inches. Dimension the foundation geometry and connect the dimensioning to the control line. Dimension the foundation geometry and connect the dimensioning to the control line. Dimension the out to out of the foundation Show and label the outline of wingwalls Dimension the wingwall length, width and spacing Show the station at the centerline of bearing at abutments and at the centerline of bent caps at the intersection with the control line. Dimension the finwall length, width and spacing Show whe station at the centerline of bearing of the abutments Dimension the places Dimension the places of bearing of abutments to centerline of bent caps at the intersection with the control line. Dimension the angles and layout of the wingwall foundations Show and late the temporary shoring when temporary shoring is anticipated. Label the temporary shoring when temporary shoring i		Provided		ded			
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Use other descriptive titles as needed to distinguish between			<u> </u>				
	adjacent structures defined by a single structure number.						

NOTES AND QUANTITIES	Provided (Originator)		Chk	Comments		
NOTES AND QUARTITIES	Yes	No	NA	Olik	Comments	
Place the quantities table in the lower right hand corner and place the						
notes above the quantities table.						
Add any construction phasing notes required for use of precast						
elements.						
Add the appropriate notes:						
ELÉVATIONS ENCLOSED IN RECTANGLES INDICATE BOTTOM OF						
FOOTING ELEVATIONS.						
 SEE "PILE DETAILS" FOR SIZE, DETAILS AND THE PILE EXTENSION INTO THE FOUNDATION. 						
3. SEE "DRILLED SHAFT DETAILS" FOR SIZE, DETAILS AND TESTING						
REQUIREMENTS.						
4. EXISTING STRUCTURE FOUNDATION LOCATION AND UTILITY						
LOCATIONS ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION						
ONLY. VERIFY LOCATIONS PRIOR TO CONSTRUCTION.						
 GRANULAR BACKFILL BORROW EXTENDS FROM THE BOTTOM OF THE ABUTMENT AND WINGWALL TO THE APPROACH SLAB. 						
6. GRANULAR BACKFILL BORROW EXTENDS FROM THE BOTTOM OF						
THE BENT FOOTING TO THE TOP OF THE BENT FOOTING.						
7. ALL DIMENSIONS SHOWN ON ABUTMENTS ARE TYPICAL FOR BOTH						
ABUTMENTS.						
8. ALL DIMENSIONS SHOWN ON BENTS ARE TYPICAL FOR ALL BENTS.					Designer determines	
9. ADJUST PILE LOCATIONS UP TO X TO AVOID EXISTING PILES.					and lists movement	
MAINTAIN A MINIMUM EDGE DISTANCE OF X AND A MINIMUM PILE SPACING OF X.					tolerance if the pile	
10. BOTTOM OF FOUNDATIONS ARE LEVEL.					adjustment note	
11. OVEREXCAVATE X BELOW BOTTOM OF FOOTING ELEVATIONS AND					used.	
REPLACE WITH GRANULAR BACKFILL BORROW					4004.	
12. SEE "SOIL DATA SHEET 1 OF X" TO "SOIL DATA SHEET X OF X" FOR						
SOIL BORING INFORMATION.						
13. PERFORM X PDA TESTS, X AT EACH ABUTMENT AND X AT EACH BENT. 14. PROVIDE SHORING AS REQUIRED FOR CONSTRUCTION. SHORING						
LOCATION SHOWN IS APPROXIMATE. DETERMINE ACTUAL SHORING						
LOCATION PER THE CONTRACTOR DEFINED CONSTRUCTION						
SEQUENCE.						
Specify the construction sequence if the construction sequence is						
nonstandard or if a specific construction sequence is required for						
precast elements.						
Show a quantities table. At a minimum list the granular backfill borrow						
quantity. List other quantities as necessary.						
1 / - [<u> </u>	1			

SECTION		Provided (Originator)			Comments
	Yes	No	NA		
Provide sections through foundations when significant foundation excavation is required or when anticipating temporary retaining walls.					
Show the approximate temporary shoring location when anticipating temporary shoring. Label the temporary shoring as follows: • APPROXIMATE TEMPORARY SHORING LIMITS, SEE NOTE X.					
Show the existing ground line.					
Typical title: SECTION X-X					

	Provided FOUNDATION DATA (Originator)		Chk	Comments		
		Yes	No	NA		
Provide	e a foundation data table for spread footings.					
If found	dation data varies per support, list a table for each support.					
Use the value.	e following table. Below is a list of definitions for each table					
φ _b q _R	 = Phi factor used in design. = Bearing resistance of foundation material. 					
$egin{array}{c} {\sf q}_{\sf MAX} \ {\sf R}_{\sf MAX} \end{array}$	 Maximum bearing pressure. Sliding resistance of foundation concurrent with R_{MAX}. Maximum sliding force on foundation. 					
e _R E _{MAX}	= Eccentricity limit in feet.= Maximum eccentricity, maximum is closest to the toe of the					
	footing.					
E _{MIN}	= Minimum eccentricity, minimum is farthest from the toe of the footing.					

FOUNDATION DATA										
	STRENGTH 1 SERVICE 1 EXTREME EVENT									
фь	X	X	X							
q_R	X KSF	X KSF @ 1"	X KSF							
q _{мах}	X KSF	X KSF	X KSF							
R_R	X KLF	X KLF	X KLF							
R _{MAX}	X KLF	X KLF	X KLF							
e _R	+/- X FT	+/- X FT	+/- X FT							
E _{MAX}	X FT	X FT	X FT							
E _{MIN}	X FT	X FT	X FT							